PHASE I OF THE GIACOMINI WETLAND RESTORATION PROJECT – GENERAL DESCRIPTION

1. **Creation of Temporary Access Road into Dairy Facility**
   A temporary access road into the Dairy Facility will be constructed off of C Street in Point Reyes Station. Width will be sufficient to allow two-way traffic of hauling trucks. The access road will be paved with asphalt to reduce tracking of dirt onto town roads. Two cypress trees on the edge of C Street south of the proposed entrance will need to be removed to improve line-of-sight for trucks and vehicles, and some of the trees will need to be trimmed.

   Hauling: There will be no hauling off-site associated with this component.

2. **Building Demolition**
   As part of Phase I, most of the barns, dairy buildings, and related structures within the Project Area will be demolished, with the majority located on the mesa section of the Giacomini Ranch immediately adjacent to Point Reyes Station.

   Hauling: Materials will be hauled to a recycler, municipal landfill, or to a hazardous waste landfill. These materials will be hauled north on 4th Street to State Route 1 and then to Point Reyes-Petaluma Road (Figure 1). The estimated demolition material will require approximately 40- to 50 truckloads for off-haul. The bulk of this hauling (5- to 10 trips per day) will be conducted during the first two weeks of construction (dairy demolition), with intermittent trips necessary through the end of November (fencing and pipe debris off-haul from all of the pastures). Concrete within the Dairy Facility will be broken for use as structural fill in Manure Pond decommissioning and will, therefore, not be hauled out.

3. **Excavation (Scraping) of Manure Pasture**
   The manure pasture represents a 13-acre ruderal pasture where manure solids were typically spread in a thick layer on an annual basis. In higher elevation portions of the manure disposal pastures, several feet of soil will be excavated and hauled less than 0.25 miles to the Manure Disposal Ponds at the Dairy Facility. Because of the high concentrations of nutrients and potentially pathogens in the manure disposal pasture, removal of the most heavily concentrated surface layers of manure was considered essential to ensure that these pollutants are not disturbed during overbank flooding, which will become more frequent with levee removal, and dispersed downstream to Tomales Bay.

   Hauling: This material will be hauled on-site to the Dairy Facility and used to fill the Manure Disposal Ponds as described in Item 5. This material will **NOT** be off-hauled.

4. **Removal of the South (East-West Running) Levee in the East Pasture**
   During the project planning and analysis stages, the south levee was identified as a primary feature that aggravated flooding and flood elevations to adjacent private properties during the 2-10 year events.

Hauling: Soil generated by removal of 2,200 lineal feet of levee will **NOT** be off-hauled, but will be used for final grading of the Dairy Facility, as described below in Item 6.

5. **Filling and Grading of Manure Ponds**

Historically, manure generated from the dairy was stored in the manure ponds. Materials from the manure pasture excavation (see Item 3 above) will be delivered and used to fill up to the grade of the surrounding pond levee, along with concrete rubble from the Dairy Facility (see Item 1 above).

Hauling: There will be no off-hauling with this component.

6. **Filling and Grading of Manure Ponds/Dairy Facility**

As part of site preparation for construction staging and eventual conversion to a viewing overlook area, the manure pond and immediately surrounding area in the Giacomini dairy complex will be regraded and compacted. Material from removal of the south levee (see Item 4 above) will be used to regrade this area, along with material from the Tomasini Triangle Marsh creation (see Item 8 below). The final grading will be designed and constructed to support future public access spur trail and overlook area.

Hauling: There will be no off-hauling associated with this component.

7. **Removal of Pipeline and Infrastructure from Pastures**

The East Pasture of the Project Area has been extensively modified to support the irrigated pasture and rotational grazing practices. Removal of pipelines and other infrastructure, including electrical lines, transmission facilities, pumphouses, and fencing, will be conducted.

Hauling: The materials removed as part of these activities will either be recycled or transported to municipal or hazardous waste landfills. There will be a limited amount of off-hauling associated with this component (~ 10 trucks) that will occur intermittently through the end of November.

8. **Tomasini Triangle Freshwater Marsh Creation**

An approximately 5.2-acre freshwater marsh will be created north of the Dairy Facility as habitat for California red-legged frog. Some of the excavated soil material will be hauled to the Dairy Facility for use in filling and grading of Manure Ponds/Dairy Facility.

Hauling: The remainder will be hauled to the Dairy Facility for dewatering and eventual disposal at two quarries in the Tomales Point portion of the Point Reyes National Seashore (Evans and Evans-Abbott quarries). A portion of this material will be off-hauled during Phase I. Hauling, at the rate of approximately 30-40 truck-trips per day would be conducted over a 15-day period (construction or working days). The Construction Manager will work with the contractor to identify the 15-day hauling window and provide at least 48 hour advanced notice via the Seashore's web site.

Materials hauled to the quarries will be hauled north on 5th Street to B Street and then south on B Street to State Route 1 (Figure 1). From State Route 1, trucks will turn right on Levee Road/Sir Francis Drake Boulevard to Pierce Point Road.

9. <u>Olema Creek Frog Pond Creation</u>

Two small ponds will be created east of Olema Marsh and west of Olema Creek as habitat for the federally threatened California red-legged frog.

Hauling: Material excavated from ponds will be off-hauled to the quarries (Evans and Evans-Abbott quarries). Hauling will use Bear Valley Road to Sir Francis Drake Boulevard and head north on Sir Francis Drake Boulevard to Pierce Point Road. Hauling of this component will **NOT** occur simultaneously with that of the Tomasini Triangle. Hauling will occur over a period of 10- to 15 days and will involve no more than 30- to 40 trucks per day .